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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Feb 24	PCTGEN now available on STN
NEWS 4	Feb 24	TEMA now available on STN
NEWS 5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 6	Feb 26	PCTFULL now contains images
NEWS 7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8	Mar 24	PATDPAFULL now available on STN
NEWS 9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 10	Apr 11	Display formats in DGENE enhanced
NEWS 11	Apr 14	MEDLINE Reload
NEWS 12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15	Apr 28	RDISCLOSURE now available on STN
NEWS 16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19	May 19	Simultaneous left and right truncation added to WSCA
NEWS 20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS 22	Jun 06	PASCAL enhanced with additional data
NEWS 23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS 24	Jun 25	HSDB has been reloaded
NEWS 25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS 26	Jul 21	Identification of STN records implemented
NEWS 27	Jul 21	Polymer class term count added to REGISTRY
NEWS 28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 29	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS EXPRESS	April 4	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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FILE COVERS 1907 - 6 Aug 2003 VOL 139 ISS 6

FILE LAST UPDATED: 5 Aug 2003 (20030805/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s MDPB

12 MDPB

2 MDPBS

L1

14 MDPB

(MDPB OR MDPBS)

=> s pyridinium bromide

27176 PYRIDINIUM

183 PYRIDINIUMS

27233 PYRIDINIUM

(PYRIDINIUM OR PYRIDINIUMS)

229422 BROMIDE

27234 BROMIDES

242162 BROMIDE

(BROMIDE OR BROMIDES)

L2

1583 PYRIDINIUM BROMIDE

(PYRIDINIUM(W)BROMIDE)

=> s L2 and mdp

1769 MDP

65 MDPS

1800 MDP

(MDP OR MDPS)

L3

0 L2 AND MDP

=> s L2 and dihydrogen phosphate

19546 DIHYDROGEN
 3 DIHYDROGENS
 19547 DIHYDROGEN
 (DIHYDROGEN OR DIHYDROGENS)
 486151 PHOSPHATE
 115500 PHOSPHATES
 530194 PHOSPHATE
 (PHOSPHATE OR PHOSPHATES)
 12678 DIHYDROGEN PHOSPHATE
 (DIHYDROGEN(W) PHOSPHATE)
 L4 0 L2 AND DIHYDROGEN PHOSPHATE

=> s L2 and HEMA
 2258 HEMA
 6 HEMAS
 2263 HEMA
 (HEMA OR HEMAS)
 L5 0 L2 AND HEMA

=> s L2 and hydroxyethyl methacrylate
 91189 HYDROXYETHYL
 1 HYDROXYETHYLS
 91189 HYDROXYETHYL
 (HYDROXYETHYL OR HYDROXYETHYLS)
 180270 METHACRYLATE
 10861 METHACRYLATES
 182371 METHACRYLATE
 (METHACRYLATE OR METHACRYLATES)
 19930 HYDROXYETHYL METHACRYLATE
 (HYDROXYETHYL(W)METHACRYLATE)
 L6 5 L2 AND HYDROXYETHYL METHACRYLATE

=> d L6 1-5 ibib abs hitrn

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1998:147127 CAPLUS
 DOCUMENT NUMBER: 128:158970
 TITLE: Cleaning material for contact lens
 INVENTOR(S): Tsuzuki, Akira; Tanikawa, Sadayasu
 PATENT ASSIGNEE(S): Menicon Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 822248	A2	19980204	EP 1997-305700	19970729
EP 822248	A3	20000412		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 10096878	A2	19980414	JP 1997-188368	19970714
US 5919742	A	19990706	US 1997-901773	19970728
PRIORITY APPLN. INFO.:			JP 1996-198662	19960729
			JP 1997-188368	19970714

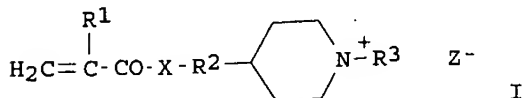
AB A cleaning material for a contact lens formed of a polymer which is obtained by polymg. a compn. including at least a nonionic surface active agent having a polymerizable unsatd. double bond, and a crosslinking agent having a plurality of polymerizable unsatd. double bonds; polymerizable disinfectants and conventional monomers may also be included in the compn. The polymer may be used in the form of a fiber-reinforced film. In an example, a copolymer of polyethylene glycol cetyl ether acrylate 6.0,

polyethylene glycol diacrylate 2.0, and acryloyloxycetyltriethylammonium chloride 1.0 g was prepd. and fashioned into a nonwoven fabric-reinforced cleaning film. Such films showed good cleaning properties without abrasion of contact lenses.

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1997:809858 CAPLUS
DOCUMENT NUMBER: 128:102517
TITLE: Polymerizable linear alkylpyridinium chemical compound and polymerizable composition which contains it
INVENTOR(S): Harada, Miho; Yamada, Hideaki; Hino, Kenichi; Imasato, Satoshi; Torii, Mitsuo
PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09324015	A2	19971216	JP 1997-70972	19970325
PRIORITY APPLN. INFO.: GI			JP 1996-78667	19960401



AB The title monomers I (R¹ = H, Me; X = O, NH; R² = various O or N-contg. linking groups; R³ = C₁₂-22 linear alkyl; Z = halogen) have good antibacterial properties. Dodecyl [4-[3-(2-methacryloyloxy)ethoxycarbonyl]propanoyloxymethyl]pyridinium bromide was prepd. and polymd. with bisphenol A di(2-ethoxypropoxy) dimethacrylate, triethylene glycol dimethacrylate, and dimethylaminoethyl methacrylate.

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1989:195161 CAPLUS
DOCUMENT NUMBER: 110:195161
TITLE: Coagulation and surface adsorbability of styrene/2-hydroxyethyl methacrylate copolymer latices in aqueous solution of cationic surfactants
AUTHOR(S): Suzawa, Toshiro; Kawasaki, Kiyoko; Tamai, Hisashi; Hikiji, Yasuto
CORPORATE SOURCE: Fac. Eng., Hiroshima Univ., Higashihiroshima, 724, Japan
SOURCE: Yukagaku (1988), 37(11), 1037-43
CODEN: YKGKAM; ISSN: 0513-398X
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB The coagulation and surface adsorbability of styrene-2-hydroxyethyl methacrylate copolymers contg. 0.5-3% hydroxyethyl methacrylate (I) and polystyrene latex in aq. soln. of C₁₂-16-alkyl pyridinium bromides were investigated by the stopped flow method and were measured for their zeta-potential. The distance t from the Stern layer to the slipping plane in the elec. double layer on the latex surface increased with the I fraction. The surfactant adsorption decreased with increasing I fraction. The concn. of surfactant on which coagulation occurred shifted to higher

concn. of surfactant with decreasing surfactant adsorption on the latex, with increasing I content. The min. value of the stability ratio (log W) of the latex particles corresponded to the zero point of charge of the latex in the .zeta.-log C (C surfactant concn.) curve.

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1982:36075 CAPLUS
DOCUMENT NUMBER: 96:36075
TITLE: Polarity of the microenvironment of polymers in solution. III. Poly[4(5)-vinylimidazole] in one-component and binary mixtures
AUTHOR(S): Mikes, Frantisek; Strop, Petr; Tuzar, Zdenek; Labsky, Jiri; Kalal, Jaroslav
CORPORATE SOURCE: Dep. Polym., Inst. Chem. Technol., Prague, Czech.
SOURCE: Sbornik Vysoke Skoly Chemicko-Technologicke v Praze, S: Polymery--Chemie, Vlastnosti a Zpracovani (1981), S5, 157-85
CODEN: SVSZD5; ISSN: 0139-908X
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Soln. properties of poly[4(5)-vinylimidazole] (I) [9033-82-3] were detd. and their effect on catalytic activity of I in solvolytic reactions was discussed. Polyelectrolyte properties of I in Me Cellosolve and EtOH-H₂O mixts. and dioxane-H₂O mixts. and the suppression of the polyelectrolyte behavior by LiCl were detd. viscometrically. To det. the polarity of I microenvironments I labeled with 1-(.beta.-methacryloyloxyethyl)-4-(3-ethoxy-4-hydroxystyryl)pyridinium chloride [53505-98-9] and 1-(4-bromobutyl)-4-(3-ethoxy-4-hydroxystyryl)pyridinium bromide [75039-65-5] were prepd. On the basis of the shift of the charge-transfer absorption band of the solvatochromic form of the modified polymers it was found that the polarity of the microenvironment of the polymer chains in binary solvent mixts. was lower than that of the pure solvent. Lower polarity of the microenvironment was found for I having the solvatochromic label near the polymer chain than for the polymer having the solvatochromic label farther from the polymer chain.

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1969:87054 CAPLUS
DOCUMENT NUMBER: 70:87054
TITLE: Unsaturated .beta.-hydroxyalkyl carboxylates
INVENTOR(S): Dowbenko, Rostyslaw; Christenson, Roger M.
PATENT ASSIGNEE(S): PPG Industries, Inc.
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3431294	A	19690304	US 1964-392909	19640828

PRIORITY APPLN. INFO.: US 1964-392909 19640828

AB The title compds. are prepd. by treating ethylenically unsatd. monocarboxylic acids with alkylene oxides in the presence of N-(2-carbamoylalkyl)pyridinium halides and similar salts of heterocyclic N compds. Thus, 63.8 g. propylene oxide was added dropwise during 1.25 hrs: to a mixt. of methacrylic acid 86.1, hydroquinone (I) 0.1, and N-(2-carbamoyl ethyl)pyridinium chloride 4.0 g. at 60.degree.. The mixt. was heated for 14 hrs. at 60.degree. and the product distd. under reduced pressure after addnl. I had been added, giving a 93.0% yield of .beta.-hydroxypropyl methacrylate (II), b1.5 69-83.degree., acid no. 31.22. II was also prepd. by using N-(2-carbamoyl ethyl)pyridinium bromide, N-(2-carbamoyl ethyl)quinolinium chloride, and

N-(2-carbamoylethyl)isoquinolinium chloride. .beta.-Hydroxypropyl acrylate, collected as a fraction b3.5 72.degree. to b3.0 92.degree., .beta.-hydroxyethyl methacrylate, b0.4 74.degree., and .beta.-hydroxyethyl acrylate collected as the fraction, b2.7 74.degree. to b1.1 96.degree.. This method gives products with high purity and produces few undesirable side reactions. The products are useful as monomers. The use of N-(2-carbamoylethyl)-pyridinium iodide as a catalyst is also claimed.

=> s antimicrobial and pyridinium and monomer and carboxylic and hydrophilic aliphatic amine

47304 ANTIMICROBIAL
 3200 ANTIMICROBIALS
 48370 ANTIMICROBIAL
 (ANTIMICROBIAL OR ANTIMICROBIALS)
 27176 PYRIDINIUM
 183 PYRIDINIUMS
 27233 PYRIDINIUM
 (PYRIDINIUM OR PYRIDINIUMS)
 156158 MONOMER
 117480 MONOMERS
 235330 MONOMER
 (MONOMER OR MONOMERS)
 209065 CARBOXYLIC
 48 CARBOXYLICS
 209083 CARBOXYLIC
 (CARBOXYLIC OR CARBOXYLICS)
 72221 HYDROPHILIC
 17 HYDROPHILICS
 72227 HYDROPHILIC
 (HYDROPHILIC OR HYDROPHILICS)
 72803 ALIPHATIC
 860 ALIPHATICS
 73523 ALIPHATIC
 (ALIPHATIC OR ALIPHATICS)
 102526 ALIPH
 197 ALIPHS
 102647 ALIPH
 (ALIPH OR ALIPHS)
 162141 ALIPHATIC
 (ALIPHATIC OR ALIPH)
 237175 AMINE
 226796 AMINES
 364666 AMINE
 (AMINE OR AMINES)
 0 HYDROPHILIC ALIPHATIC AMINE
 (HYDROPHILIC (W) ALIPHATIC (W) AMINE)
 0 ANTIMICROBIAL AND PYRIDINIUM AND MONOMER AND CARBOXYLIC AND
 HYDROPHILIC ALIPHATIC AMINE

L7